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NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3 FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4 MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	5 MAY 11	KOREAPAT updates resume
NEWS	6 MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7 MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	8 MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	9 JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	10 JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	11 JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	12 JUL 11	CHEMSAFE reloaded and enhanced
NEWS	13 JUL 14	FSTA enhanced with Japanese patents
NEWS	14 JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15 AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16 AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17 AUG 30	CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS	18 SEP 11	CA/CAPLUS enhanced with more pre-1907 records
NEWS EXPRESS	JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS		STN Operating Hours Plus Help Desk Availability
NEWS LOGIN		Welcome Banner and News Items
NEWS IPC8		For general information regarding STN implementation of IPC 8
NEWS X25		X.25 communication option no longer available

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SINCE FILE

TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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L1 13 PGSGRSA/SQSP

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	28.89	29.10

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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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L6 4 L2 NOT PY>2003

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L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on SIN  
ACCESSION NUMBER: 2003:326645 CAPLUS  
DOCUMENT NUMBER: 138:298934  
TITLE: Nucleic acid and amino acid sequences relating to  
Pseudomonas aeruginosa for diagnostics and  
therapeutics  
INVENTOR(S): Rubenfield, Marc J.; Nolling, Jork; Deloughery, Craig;  
Bush, David  
PATENT ASSIGNEE(S): Genome Therapeutics Corporation, USA  
SOURCE: U.S., 455 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 8  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6551795	B1	20030422	US 1999-252991	19990218
US 6551795	B1	20030422	US 1999-252991	19990218
PRIORITY APPLN. INFO.:			US 1998-74788P	P 19980218
			US 1998-94190P	P 19980727
			US 1999-252991	A 19990218

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on SIN  
ACCESSION NUMBER: 2003:326641 CAPLUS  
DOCUMENT NUMBER: 138:298932  
TITLE: Nucleic acid and amino acid sequences relating to  
Pseudomonas aeruginosa for diagnostics and  
therapeutics  
INVENTOR(S): Rubenfield, Marc J.; Nolling, Jork; Deloughery, Craig;  
Bush, David  
PATENT ASSIGNEE(S): Genome Therapeutics Corporation, USA  
SOURCE: U.S., 455 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 8  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6551795	B1	20030422	US 1999-252991	19990218

US 6551795	B1	20030422	US 1999-252991	19990218
PRIORITY APPLN. INFO.:			US 1998-74788P	P 19980218
			US 1998-94190P	P 19980727
			US 1999-252991	A 19990218

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2002:808456 CAPLUS  
 DOCUMENT NUMBER: 137:321282  
 TITLE: Use of mouse genes encoding envelope interacting proteins EIP-1 and EIP-3 for gene therapy using retroviral vectors  
 INVENTOR(S): Goff, Stephen P.; Li, Xingqiang  
 PATENT ASSIGNEE(S): The Trustees of Columbia University In the City of New York, USA  
 SOURCE: U.S., 53 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 6469153	B1	20021022	US 1998-82358	19980520
PRIORITY APPLN. INFO.:			US 1998-82358	19980520
REFERENCE COUNT:	16	THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2001:565218 CAPLUS  
 DOCUMENT NUMBER: 135:163405  
 TITLE: Nucleic acids and their encoded polypeptides from human fetus  
 INVENTOR(S): Yeung, George; Ford, John E.; Boyle, Bryan J.; Arterburn, Matthew C.; Drmanac, Radoje A.; Tang, Y. Tom; Liu, Chenghua; Asundi, Vinod; Zhou, Ping; Werhman, Tom  
 PATENT ASSIGNEE(S): Hyseq, Inc., USA; Tang, Y Tom; et al.  
 SOURCE: PCT Int. Appl., 715 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 126  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2001055339	A2	20010802	WO 2001-US2723	20010125
WO 2001055339	A3	20020510		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 2001033047 PRIORITY APPLN. INFO.: AU 2001-33047 US 2000-491404 A 20000125 US 2000-663870 A 20000915 US 2000-707351 A 20001106				

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2101105 PY>2004  
L7 4 L2 NOT PY>2004

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880795 PY>2005  
L8 11 L2 NOT PY>2005

=> s 18 not 17  
L9 7 L8 NOT L7

=> d ibib 1-7

L9 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on SIN

ACCESSION NUMBER: 2005:1178956 CAPLUS  
DOCUMENT NUMBER: 143:417035  
TITLE: Insights into genome plasticity and pathogenicity of  
the plant pathogenic bacterium *Xanthomonas campestris*  
*pv. vesicatoria* revealed by the complete genome  
sequence  
AUTHOR(S): Thieme, Frank; Koebnik, Ralf; Bekel, Thomas; Berger,  
Carolyn; Boch, Jens; Buettner, Daniela; Caldana,  
Camila; Gaigalat, Lars; Goesmann, Alexander; Kay,  
Sabine; Kirchner, Oliver; Lanz, Christa; Linke,  
Burkhard; McHardy, Alice C.; Meyer, Folker;  
Mittenhuber, Gerhard; Nies, Dietrich H.;  
Niesbach-Kloesgen, Ulla; Patschkowski, Thomas;  
Rueckert, Christian; Rupp, Oliver; Schneiker, Susanne;  
Schuster, Stephan C.; Vorhoeelter, Frank-Joerg; Weber,  
Ernst; Puehler, Alfred; Bonas, Ulla; Bartels, Daniela;  
Kaiser, Olaf  
CORPORATE SOURCE: Institut fuer Genetik, Martin-Luther-Universitaet,  
Halle, D-06120, Germany  
SOURCE: Journal of Bacteriology (2005), 187(21), 7254-7266  
CODEN: JOBAAY; ISSN: 0021-9193  
PUBLISHER: American Society for Microbiology  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 112 THERE ARE 112 CITED REFERENCES AVAILABLE FOR  
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

L9 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on SIN

ACCESSION NUMBER: 2005:421785 CAPLUS  
DOCUMENT NUMBER: 142:469183  
TITLE: Heparin-binding growth factor modified protein  
matrices containing XIIIa substrate domain for tissue  
repair, regeneration, remodeling and/or drug delivery  
INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.;  
Sakiyama-Elbert, Shelly E.  
PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich, Switz.;  
Universitat Zurich  
SOURCE: U.S., 29 pp., Cont.-in-part of U.S. Ser. No. 141,153,  
abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 7  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6894022	B1	20050517	US 2000-563760	20000501
US 6468731	B1	20021022	US 2000-675922	20000929
US 2003187232	A1	20031002	US 2002-323046	20021217
PRIORITY APPLN. INFO.:			US 1998-141153	B2 19980827
			US 2000-563760	A2 20000501
REFERENCE COUNT:	76	THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L9 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:859423 CAPLUS

DOCUMENT NUMBER: 139:359916

TITLE: Genome of cyanophage S-2L, genes for 2,6-diaminopurine and 2,6-diaminopurine nucleotide biosynthesis, and encoded proteins

INVENTOR(S): Marliere, Philippe; Kaminski, Pierre Alexandre; Galisson, Frederique; Bouzon, Madeleine; Pochet, Sylvie; Weissenbach, Jean; Saurin, William; Robert, Catherine; Vico, Virginie

PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Centre National de la Recherche Scientifique CNRS; Genoscope - Centre National de Sequencage

SOURCE: Fr. Demande, 423 pp.  
CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2839079	A1	20031031	FR 2002-5424	20020430
CA 2483706	AA	20031113	CA 2003-2483706	20030428
WO 2003093461	A2	20031113	WO 2003-FR1328	20030428
WO 2003093461	A3	20040401		
WO 2003093461	C1	20040624		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003249159	A1	20031117	AU 2003-249159	20030428
EP 1499713	A2	20050126	EP 2003-747467	20030428
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
PRIORITY APPLN. INFO.:			FR 2002-5424	A 20020430
			WO 2003-FR1328	W 20030428
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L9 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:777435 CAPLUS

DOCUMENT NUMBER: 139:296919

TITLE: Growth factor modified protein matrices for tissue repair, regeneration, remodeling and/or drug delivery

INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.;  
Sakiyama-Elbert, Shelly E.; Jen, Anna  
PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich  
Universitat Zurich, Switz.  
SOURCE: U.S. Pat. Appl. Publ., 38 pp., Cont.-in-part of U.S.  
Ser. No. 563,760.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 7  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003187232	A1	20031002	US 2002-323046	20021217
US 6894022	B1	20050517	US 2000-563760	20000501
US 2003166833	A1	20030904	US 2002-325021	20021218
JP 2005517658	T2	20050616	JP 2003-552958	20021218
PRIORITY APPLN. INFO.:			US 1998-141153	B2 19980827
			US 2000-563760	A2 20000501
			US 2001-24918	A2 20011218
			WO 2002-EP12458	A 20021107
			US 2002-323046	A2 20021217
			WO 2002-US41114	W 20021218

L9 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on SIN

ACCESSION NUMBER: 2003:320016 CAPLUS

DOCUMENT NUMBER: 138:316745

TITLE: Imaging the activity of extracellular proteases in cells using mutant anthrax toxin protective antigens that are cleaved by specific extracellular proteases, and diagnostic and drug screening applications

INVENTOR(S): Bugge, Thomas H.; Leppla, Stephen H.; Liu, Shi-Hui; Mitola, David

PATENT ASSIGNEE(S): The Government of the United States of America, as Represented by the Secretary of the Department of Health and Human Services, USA

SOURCE: PCT Int. Appl., 99 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033648	A2	20030424	WO 2002-US28397	20020905
WO 2003033648	A3	20040617		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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AU 2002359244	A1	20030428	AU 2002-359244	20020905
US 2005123476	A1	20050609	US 2003-488806	20020905
PRIORITY APPLN. INFO.:			US 2001-317550P	P 20010905
			WO 2002-US28397	W 20020905

L9 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on SIN  
 ACCESSION NUMBER: 2001:582024 CAPLUS  
 DOCUMENT NUMBER: 135:176459  
 TITLE: Nucleic acids and their encoded polypeptides from human tissues  
 INVENTOR(S): Tang, Y. Tom; Liu, Chenghua; Drmanac, Radoje T.  
 PATENT ASSIGNEE(S): Hyseq, Inc., USA  
 SOURCE: PCT Int. Appl., 1963 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 126  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057188	A2	20010809	WO 2001-US3800	20010205
WO 2001057188	A3	20020228		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1574520	A2	20050914	EP 2005-5504	20010202
EP 1574520	A3	20051221		
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US 2003100746	A1	20030529	US 2002-114500	20020401
US 2004219521	A1	20041104	US 2002-128558	20020422
US 2003224379	A1	20031204	US 2002-243552	20020912
US 2004053245	A1	20040318	US 2003-276774	20030624
US 2005059073	A1	20050317	US 2004-968674	20041019
PRIORITY APPLN. INFO.:				
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			US 2000-560875	A 20000427
			US 2000-488725	A2 20000121
			US 2000-491404	B2 20000125
			US 2000-543774	B1 20000405
			US 2000-552317	B2 20000425
			US 2000-215733P	P 20000628
			US 2000-721115	A 20001122
			WO 2000-US35017	A2 20001222
			US 2001-757562	B2 20010109
			WO 2001-US2623	A2 20010125
			EP 2001-908837	A3 20010202
			US 2001-266614P	P 20010205
			WO 2001-US3800	W 20010205
			WO 2001-US4927	A 20010226
			WO 2001-US4941	A 20010305
			US 2001-802704	B1 20010308
			WO 2001-US8631	A 20010330
			US 2001-282397P	P 20010405
			WO 2001-US8656	A 20010416
			WO 2001-US14827	A 20010516
			US 2001-894912	A1 20010628
			US 2001-322511P	P 20010913
			US 2001-339453P	P 20011211





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DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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FULL ESTIMATED COST	0.44	56.16

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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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13 S PGSGRSA/SQSP

L1 FILE 'CAPLUS' ENTERED AT 13:49:30 ON 11 SEP 2006  
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L7 4 S L2 NOT PY>2004  
L8 11 S L2 NOT PY>2005

L9 7 S L8 NOT L7  
SEL RN 2

FILE 'REGISTRY' ENTERED AT 13:52:20 ON 11 SEP 2006

FILE 'CAPLUS' ENTERED AT 13:52:29 ON 11 SEP 2006

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L9 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 3/520-01-7DP, fusion products 109081-50-7DP, fusion products  
607679-51-6DP, fusion products 607679-52-7DP, fusion products  
607679-53-8DP, fusion products 607679-54-9DP, fusion products  
607679-55-0DP, fusion products 607679-56-1DP, fusion products  
RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP  
(Preparation); USES (Uses)  
(amino acid sequence, protease substrate; heparin-binding growth factor  
modified protein matrixes containing XIIIa substrate domain for tissue  
repair, regeneration, remodeling and/or drug delivery)

=> file reg	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.79	56.95

FILE 'REGISTRY' ENTERED AT 13:52:58 ON 11 SEP 2006  
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Property values tagged with IC are from the ZIC/VINITI data file  
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8  
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 607679-56-1DP  
L10 0 607679-56-1DP  
(607679-56-1DP/RN)

=> s 607679-56-1  
L11 1 607679-56-1  
(607679-56-1/RN)

=> file his  
'HIS' IS NOT A VALID FILE NAME

SESSION CONTINUES IN FILE 'REGISTRY'

Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files that are available. If you have requested multiple files, you can specify a corrected file name or you can enter "IGNORE" to continue accessing the remaining file names entered.

=> d his

(FILE 'HOME' ENTERED AT 13:48:55 ON 11 SEP 2006)

L1 FILE 'REGISTRY' ENTERED AT 13:49:12 ON 11 SEP 2006  
13 S PGSGRSA/SQSP

L2 FILE 'CAPLUS' ENTERED AT 13:49:30 ON 11 SEP 2006  
13 S L1  
L3 0 S L2 NOT PY>1999  
L4 0 S L2 NOT PY>2000  
L5 0 S L2 NOT PY>2001  
L6 4 S L2 NOT PY>2003  
L7 4 S L2 NOT PY>2004  
L8 11 S L2 NOT PY>2005  
L9 7 S L8 NOT L7  
SEL RN 2

FILE 'REGISTRY' ENTERED AT 13:52:20 ON 11 SEP 2006

FILE 'CAPLUS' ENTERED AT 13:52:29 ON 11 SEP 2006

L10 FILE 'REGISTRY' ENTERED AT 13:52:58 ON 11 SEP 2006  
0 S 607679-56-1DP  
L11 1 S 607679-56-1

=> s l1 and l2

L12 13 L1 AND L2

=> s l11 and l2

L13 1 L11 AND L2

=> d rn seq sql

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 607679-56-1 REGISTRY

SEQ 1 PGSGRSASG

=====

HITS AT: 1-7

SQL 9

=> file medline

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

6.49

63.44

FILE 'MEDLINE' ENTERED AT 13:54:21 ON 11 SEP 2006

FILE LAST UPDATED: 9 Sep 2006 (20060909/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 is now (26 Feb.) available. For details on the 2006 reload, enter HELP RLOAD at an arrow prompt (=>).

See also:

<http://www.nlm.nih.gov/mesh/>  
[http://www.nlm.nih.gov/pubs/techbull/nd04/nd04\\_mesh.html](http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_med\\_data\\_changes.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html)  
[http://www.nlm.nih.gov/pubs/techbull/nd05/nd05\\_2006\\_MeSH.html](http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html)

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s PGSGRSA

L14 0 PGSGRSA  
L14 0 PGSGRSA

=> file pctfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.39	63.83

FILE 'PCTFULL' ENTERED AT 13:54:36 ON 11 SEP 2006  
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FILE LAST UPDATED: 8 SEP 2006 <20060908/UP>  
MOST RECENT UPDATE WEEK: 200635 <200635/EW>  
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN THIS FILE.  
SEE

<http://www.stn-international.de/stndatabases/details/ipc-reform.html> >>>

>>> FOR CHANGES IN PCTFULL PLEASE SEE HELP CHANGE  
(last updated April 10, 2006) <<<

>>> NEW PRICES IN PCTFULL AS OF 01 JULY 2006. FOR DETAILS,  
PLEASE SEE HELP COST <<<

=> s PGSGRSA

L15 3 PGSGRSA

=> d ibib 1-3

L15 ANSWER 1 OF 3 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 2005090393 PCTFULL ED 20051004 EW 200539  
TITLE (ENGLISH): MULTIMERIC PROTEIN TOXINS TO TARGET CELLS HAVING  
MULTIPLE IDENTIFYING CHARACTERISTICS  
TITLE (FRENCH): TOXINES PROTEIQUES MULTIMERIQUES DESTINEES A CIBLER DES  
CELLULES POSSEDANT PLUSIEURS CARACTERISTIQUES  
D'IDENTIFICATION  
INVENTOR(S): LEPPLA, Stephen H., 9501 Starmont Road, Bethesda,  
Maryland 20817, US [US, US];  
LIU, Shi-Hui, 14516 Settlers Landing Way, Gaithersburg,  
Maryland 20878, US [CN, US];  
BUGGE, Thomas H., 9802 Bristol Square Lane, Apt. #302,  
Bethesda, Maryland 20814, US [DK, US]  
PATENT ASSIGNEE(S): THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY

THE SECRETARY OF HEALTH AND HUMAN SERVICES, National Institutes of Health, Office of Technology Transfer, 6011 Executive Boulevard, Suite 325, Rockville, Maryland 20852-3804, US [US, US], for all designates States except US;  
LEPPLA, Stephen H., 9501 Starmont Road, Bethesda, Maryland 20817, US [US, US], for US only;  
LIU, Shi-Hui, 14516 Settlers Landing Way, Gaithersburg, Maryland 20878, US [CN, US], for US only;  
BUGGE, Thomas H., 9802 Bristol Square Lane, Apt. #302, Bethesda, Maryland 20814, US [DK, US], for US only  
FANG, Carol A.\$, Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, California 94111-3834\$, US

AGENT:

LANGUAGE OF FILING:  
LANGUAGE OF PUBL.:  
DOCUMENT TYPE:  
PATENT INFORMATION:

English  
English  
Patent

NUMBER	KIND	DATE
WO 2005090393	AZ	20050929

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO  
CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV  
MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US  
UZ VC VN YU ZA ZM ZW

RW (ARIPO):

RW (EAPO):

RW (EPO):

RW (OAPI):

APPLICATION INFO.:

PRIORITY INFO.:

BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW  
AM AZ BY KG KZ MD RU TJ TM  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT  
LT LU MC NL PL PT RO SE SI SK TR  
BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
WO 2005-US4216 A 20050209  
US 2004-60/543,417 20040209

L15 ANSWER 2 OF 3

ACCESSION NUMBER:

TITLE (ENGLISH):

PCTFULL COPYRIGHT 2006 Univention on STN  
2003033648 PCTFULL ED 20030430 EW 200317

TITLE (FRENCH):

INVENTOR(S):

IMAGING THE ACTIVITY OF EXTRACELLULAR PROTEASES IN  
CELLS USING MUTANT ANTHRAX TOXIN PROTECTIVE ANTIGENS  
THAT ARE CLEAVED BY SPECIFIC EXTRACELLULAR PROTEASES  
IMAGERIE DE L'ACTIVITE DE PROTEASES EXTRACELLULAIRES  
DANS DES CELLULES PAR UTILISATION D'ANTIGENES DE  
PROTECTION CONTRE LA TOXINE DU CHARBON MUTANTS QUI SONT  
CLIVES PAR DES PROTEASES EXTRACELLULAIRES SPECIFIQUES  
BUGGE, Thomas, H., 9802 Bristol Square Lane, Apt. 302,  
Bethesda, MD 20814, US [US, US];  
LEPPLA, Stephen, H., 9501 Starmont Road, Bethesda, MD  
20817, US [US, US];  
LIU, Shi-Hui, 5114 Parklawn Terrace, Apt. 202,  
Rockville, MD 20852, US [CN, US];  
MITOLA, David, 902C South Charles Street, Baltimore, MD  
21230, US [US, US]

PATENT ASSIGNEE(S):

THE GOVERNMENT OF THE UNITED STATES OF AMERICA, as  
represented by THE SECRETARY OF THE DEPARTMENT OF  
HEALTH AND HUMAN SERVICES, National Institutes of  
Health, Office of Technology Transfer, 6011 Executive  
Blvd., Suite 325, Rockville, MD 20852-3804, US [US,  
US], for all designates States except US;  
BUGGE, Thomas, H., 9802 Bristol Square Lane, Apt. 302,  
Bethesda, MD 20814, US [US, US], for US only;  
LEPPLA, Stephen, H., 9501 Starmont Road, Bethesda, MD

20817, US [US, US], for US only;  
 LIU, Shi-Hui, 5114 Parklawn Terrace, Apt. 202,  
 Rockville, MD 20852, US [CN, US], for US only;  
 MITOLA, David, 902C South Charles Street, Baltimore, MD  
 21230, US [US, US], for US only  
 AGENT: PARENT, Annette, S.S., Townsend and Townsend and Crew  
 LLP, Two Embarcadero Center, Eighth Floor, San  
 Francisco, CA 94111-3834\$, US  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES	WO 2003033648	A2	20030424
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW		
RW (ARIPO):	GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW		
RW (EAPO):	AM AZ BY KG KZ MD RU TJ TM		
RW (EPO):	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR		
RW (OAPI):	BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG		
APPLICATION INFO.:	US 2002-US28397	A	20020905
PRIORITY INFO.:	US 2001-60/317,550		20010905

L15 ANSWER 3 OF 3 PCTFULL COPYRIGHT 2006 Univentio on STN  
 ACCESSION NUMBER: 2001021656 PCTFULL ED 20020820  
 TITLE (ENGLISH): MUTATED ANTHRAX TOXIN PROTECTIVE ANTIGEN PROTEINS THAT  
 SPECIFICALLY TARGET CELLS CONTAINING HIGH AMOUNTS OF  
 CELL-SURFACE METALLOPROTEINASES OR PLASMINOGEN  
 ACTIVATOR RECEPTORS  
 TITLE (FRENCH): PROTEINES ANTIGENES PROTECTRICES CONTRE LES TOXINES  
 D'ANTHRAX AYANT SUBI UNE MUTATION, ET CIBLANT DES  
 CELLULES PRESENTANT DE GRANDES QUANTITES DE  
 METALLOPROTEINASES DE SURFACE CELLULAIRE OU DE  
 RECEPTEURS D'ACTIVATEURS DU PLASMINOGENE  
 INVENTOR(S): LEPPLA, Stephen, H.;  
 LIU, Shi-Hui;  
 NETZEL-ARNETT, Sarah;  
 HANSEN-BIRKEDAL, Henning;  
 BUGGE, Thomas  
 PATENT ASSIGNEE(S): THE GOVERNMENT OF THE UNITED STATE OF AMERICA, as  
 represented by THE SECRETARY, DEPARTMENT OF HEALTH AND  
 HUMAN SERVICES;  
 LEPPLA, Stephen, H.;  
 LIU, Shi-Hui;  
 NETZEL-ARNETT, Sarah;  
 HANSEN-BIRKEDAL, Henning;  
 BUGGE, Thomas  
 DOCUMENT TYPE: Patent  
 PATENT INFORMATION:

	NUMBER	KIND	DATE
DESIGNATED STATES	WO 2001021656	A2	20010329
W:	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK		

MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
 TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD  
 SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY  
 DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
 CI CM GA GN GW ML MR NE SN TD TG  
 APPLICATION INFO.: WO 2000-US26192 A 20000922  
 PRIORITY INFO.: US 1999-60/155,961 19990924

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	4.48	68.31

STN INTERNATIONAL LOGOFF AT 13:55:00 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPAL1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
 NEWS 2 JUL 02 LMEADLINE coverage updated  
 NEWS 3 JUL 02 SCISEARCH enhanced with complete author names  
 NEWS 4 JUL 02 CHEMCATS accession numbers revised  
 NEWS 5 JUL 02 CA/CAPLUS enhanced with utility model patents from China  
 NEWS 6 JUL 16 CAPLUS enhanced with French and German abstracts  
 NEWS 7 JUL 18 CA/CAPLUS patent coverage enhanced  
 NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
 NEWS 9 JUL 30 USGENE now available on STN  
 NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
 NEWS 11 AUG 06 BEILSTEIN updated with new compounds  
 NEWS 12 AUG 06 FSTA enhanced with new thesaurus edition  
 NEWS 13 AUG 13 CA/CAPLUS enhanced with additional kind codes for granted patents  
 NEWS 14 AUG 20 CA/CAPLUS enhanced with CAS indexing in pre-1907 records  
 NEWS 15 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB  
 NEWS 16 AUG 27 USPATOLD now available on STN



NEWS 17 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data  
 NEWS 18 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index  
 NEWS 19 SEP 13 FORIS renamed to SOFIS  
 NEWS 20 SEP 13 INPADOCDB enhanced with monthly SDI frequency  
 NEWS 21 SEP 17 CA/Caplus enhanced with printed CA page images from 1967-1998  
 NEWS 22 SEP 17 Caplus coverage extended to include traditional medicine patents

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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 NEWS IPC8 For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 13:20:22 ON 20 SEP 2007

```
=> file reg
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          0.21          0.21
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STRUCTURE FILE UPDATES: 19 SEP 2007 HIGHEST RN 947584-60-3  
 DICTIONARY FILE UPDATES: 19 SEP 2007 HIGHEST RN 947584-60-3

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<http://www.cas.org/support/stngen/stdnoc/properties.html>

=> s PGSGRSA/sqsp  
L1 13 PGSGRSA/SQSP

=> file caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 29.80 30.01

FILE 'CAPLUS' ENTERED AT 13:21:18 ON 20 SEP 2007  
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FILE COVERS 1907 - 20 Sep 2007 VOL 147 ISS 13  
FILE LAST UPDATED: 19 Sep 2007 (20070919/ED)

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<http://www.cas.org/infopolicy.html>

=> s l1  
L2 13 L1

=> d ibib 1-13

L2 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2006:657205 CAPLUS  
DOCUMENT NUMBER: 145:152687  
TITLE: Supplemented matrixes for the repair of bone fractures  
INVENTOR(S): Schense, Jason; Watson, John; Arrighi, Isabelle  
PATENT ASSIGNEE(S): Kuros Biosurgery A.-G., Switz.  
SOURCE: U.S. Pat. Appl. Publ., 19 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006148704	A1	20060706	US 2006-327214	20060106
AU 2006204461	A1	20060713	AU 2006-204461	20060106
WO 2006072622	A2	20060713	WO 2006-EP50069	20060106
WO 2006072622	A3	20061123		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,

VN, YU, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

EP 1833522 A2 20070919 EP 2006-707674 20060106  
 IN 2007/CN02997 A 20070907 IN 2007-CN2997 20070705  
 PRIORITY APPLN. INFO.: US 2005-641715P P 20050106  
 US 2005-642644P P 20050110  
 WO 2006-EP50069 W 20060106

L2 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS ON STN

ACCESSION NUMBER: 2005:1178956 CAPLUS  
 DOCUMENT NUMBER: 143:417035  
 TITLE: Insights into genome plasticity and pathogenicity of  
 the plant pathogenic bacterium *Xanthomonas campestris*  
 pv. *vesicatoria* revealed by the complete genome  
 sequence  
 AUTHOR(S): Thieme, Frank; Koebnik, Ralf; Bekel, Thomas; Berger,  
 Carolin; Boch, Jens; Buettner, Daniela; Caldana,  
 Camila; Gaigalat, Lars; Goesmann, Alexander; Kay,  
 Sabine; Kirchner, Oliver; Lanz, Christa; Linke,  
 Burkhard; McHardy, Alice C.; Meyer, Folker;  
 Mittenhuber, Gerhard; Nies, Dietrich H.;  
 Niesbach-Kloesgen, Ulla; Patschkowski, Thomas;  
 Rueckert, Christian; Rupp, Oliver; Schneiker, Susanne;  
 Schuster, Stephan C.; Vorhoelster, Frank-Joerg; Weber,  
 Ernst; Puehler, Alfred; Bonas, Ulla; Bartels, Daniela;  
 Kaiser, Olaf  
 CORPORATE SOURCE: Institut fuer Genetik, Martin-Luther-Universitaet,  
 Halle, D-06120, Germany  
 SOURCE: Journal of Bacteriology (2005), 187(21), 7254-7266  
 CODEN: JOBAA; ISSN: 0021-9193  
 PUBLISHER: American Society for Microbiology  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 112 THERE ARE 112 CITED REFERENCES AVAILABLE FOR  
 THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE  
 FORMAT

L2 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS ON STN

ACCESSION NUMBER: 2005:1042277 CAPLUS  
 DOCUMENT NUMBER: 143:353281  
 TITLE: Variants of heterooligomeric microbial toxins with  
 novel cell targeting and proteolytic activation  
 behavior for therapeutic use  
 INVENTOR(S): Leppla, Stephen H.; Liu, Shi-Hui; Bugge, Thomas H.  
 PATENT ASSIGNEE(S): The Government of the United States, as Represented by  
 the Secretary of Health and Human Services, USA  
 SOURCE: PCT Int. Appl., 83 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090393	A2	20050929	WO 2005-US4216	20050209
WO 2005090393	A3	20060608		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,  
 SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,  
 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
 MR, NE, SN, TD, TG

US 2005255083 A1 20051117 US 2005-55557 20050209  
 PRIORITY APPLN. INFO.: US 2004-543417P P 20040209

L2 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:421785 CAPLUS

DOCUMENT NUMBER: 142:469183

TITLE: Heparin-binding growth factor modified protein  
 matrices containing XIIIa substrate domain for tissue  
 repair, regeneration, remodeling and/or drug delivery

INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.;

Sakiyama-Elbert, Shelly E.

PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich, Switz.;

Universitat Zurich

SOURCE: U.S., 29 pp., Cont.-in-part of U.S. Ser. No. 141,153,  
 abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 7

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6894022	B1	20050517	US 2000-563760	20000501
US 6468731	B1	20021022	US 2000-675922	20000929
US 2003187232	A1	20031002	US 2002-323046	20021217
PRIORITY APPLN. INFO.:			US 1998-141153	B2 19980827
			US 2000-563760	A2 20000501
REFERENCE COUNT:	76	THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L2 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:859423 CAPLUS

DOCUMENT NUMBER: 139:359916

TITLE: Genome of cyanophage S-2L, genes for 2,6-diaminopurine  
 and 2,6-diaminopurine nucleotide biosynthesis, and  
 encoded proteins

INVENTOR(S): Marliere, Philippe; Kaminski, Pierre Alexandre;  
 Galisson, Frederique; Bouzon, Madeleine; Pochet,  
 Sylvie; Weissenbach, Jean; Saurin, William; Robert,  
 Catherine; Vico, Virginie

PATENT ASSIGNEE(S): Institut Pasteur, Fr.; Centre National de la Recherche  
 Scientifique CNRS; Genoscope - Centre National de  
 Sequencage

SOURCE: Fr. Demande, 423 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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FR 2839079	A1	20031031	FR 2002-5424	20020430
CA 2483706	A1	20031113	CA 2003-2483706	20030428
WO 2003093461	A2	20031113	WO 2003-FR1328	20030428
WO 2003093461	A3	20040401		
WO 2003093461	A8	20040624		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003249159	A1	20031117	AU 2003-249159	20030428
EP 1499713	A2	20050126	EP 2003-747467	20030428

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

US 2006270005 A1 20061130 US 2005-510953 20051202

PRIORITY APPLN. INFO.: FR 2002-5424 A 20020430  
WO 2003-FR1328 W 20030428

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2003:777435 CAPLUS  
 DOCUMENT NUMBER: 139:296919  
 TITLE: Growth factor modified protein matrices for tissue repair, regeneration, remodeling and/or drug delivery  
 INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.; Sakiyama-Elbert, Shelly E.; Jen, Anna  
 PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich  
 SOURCE: U.S. Pat. Appl. Publ., 38 pp., Cont.-in-part of U.S. Ser. No. 563,760.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 7  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003187232	A1	20031002	US 2002-323046	20021217
US 6894022	B1	20050517	US 2000-563760	20000501
US 2003166833	A1	20030904	US 2002-325021	20021218
US 7247609	B2	20070724		
JP 2005517658	T	20050616	JP 2003-552958	20021218
MX 2004PA06021	A	20050819	MX 2004-PA6021	20040618
US 2007179093	A1	20070802	US 2007-679807	20070227

PRIORITY APPLN. INFO.: US 1998-141153 B2 19980827  
 US 2000-563760 A2 20000501  
 US 2001-24918 A2 20011218  
 WO 2002-EP12458 A 20021107  
 US 2002-323046 A2 20021217  
 US 2002-325021 A1 20021218  
 WO 2002-US41114 W 20021218

L2 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2003:326645 CAPLUS

DOCUMENT NUMBER: 138:298934  
 TITLE: Nucleic acid and amino acid sequences relating to Pseudomonas aeruginosa for diagnostics and therapeutics  
 INVENTOR(S): Rubenfield, Marc J.; Nolling, Jork; Deloughery, Craig; Bush, David  
 PATENT ASSIGNEE(S): Genome Therapeutics Corporation, USA  
 SOURCE: U.S., 455 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 8  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6551795	B1	20030422	US 1999-252991	19990218
US 6551795	B1	20030422	US 1999-252991	19990218
PRIORITY APPLN. INFO.:			US 1998-74788P	P 19980218
			US 1998-94190P	P 19980727
			US 1999-252991	A 19990218

L2 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2003:326641 CAPLUS  
 DOCUMENT NUMBER: 138:298932  
 TITLE: Nucleic acid and amino acid sequences relating to Pseudomonas aeruginosa for diagnostics and therapeutics  
 INVENTOR(S): Rubenfield, Marc J.; Nolling, Jork; Deloughery, Craig; Bush, David  
 PATENT ASSIGNEE(S): Genome Therapeutics Corporation, USA  
 SOURCE: U.S., 455 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 8  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6551795	B1	20030422	US 1999-252991	19990218
US 6551795	B1	20030422	US 1999-252991	19990218
PRIORITY APPLN. INFO.:			US 1998-74788P	P 19980218
			US 1998-94190P	P 19980727
			US 1999-252991	A 19990218

L2 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2003:320016 CAPLUS  
 DOCUMENT NUMBER: 138:316745  
 TITLE: Imaging the activity of extracellular proteases in cells using mutant anthrax toxin protective antigens that are cleaved by specific extracellular proteases, and diagnostic and drug screening applications  
 INVENTOR(S): Bugge, Thomas H.; Leppla, Stephen H.; Liu, Shi-Hui; Mitola, David  
 PATENT ASSIGNEE(S): The Government of the United States of America, as Represented by the Secretary of the Department of Health and Human Services, USA  
 SOURCE: PCT Int. Appl., 99 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033648	A2	20030424	WO 2002-US28397	20020905
WO 2003033648	A3	20040617		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002359244	A1	20030428	AU 2002-359244	20020905
US 2005123476	A1	20050609	US 2003-488806	20020905
PRIORITY APPLN. INFO.:			US 2001-317550P	P 20010905
			WO 2002-US28397	W 20020905

L2 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2002:808456 CAPLUS  
 DOCUMENT NUMBER: 137:321282  
 TITLE: Use of mouse genes encoding envelope interacting proteins EIP-1 and EIP-3 for gene therapy using retroviral vectors  
 INVENTOR(S): Goff, Stephen P.; Li, Xingqiang  
 PATENT ASSIGNEE(S): The Trustees of Columbia University In the City of New York, USA  
 SOURCE: U.S., 53 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6469153	B1	20021022	US 1998-82358	19980520
PRIORITY APPLN. INFO.:			US 1998-82358	19980520
REFERENCE COUNT:	16	THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L2 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2001:582024 CAPLUS  
 DOCUMENT NUMBER: 135:176459  
 TITLE: Nucleic acids and their encoded polypeptides from human tissues  
 INVENTOR(S): Tang, Y. Tom; Liu, Chenghua; Drmanac, Radoje T.  
 PATENT ASSIGNEE(S): Hyseq, Inc., USA  
 SOURCE: PCT Int. Appl., 1963 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 127  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057188	A2	20010809	WO 2001-US3800	20010205

WO 2001057188 A3 20020228

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 1574520 A2 20050914 EP 2005-5504 20010202

EP 1574520 A3 20051221

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR

AU 200143142 A 20010814 AU 2001-43142 20010205

US 2003100746 A1 20030529 US 2002-114500 20020401

US 2004219521 A1 20041104 US 2002-128558 20020422

US 2003224379 A1 20031204 US 2002-243552 20020912

US 2004053245 A1 20040318 US 2003-276774 20030624

US 2005059073 A1 20050317 US 2004-968674 20041019

PRIORITY APPLN. INFO.:

US 2000-496914 A 20000203

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US 2000-488725 A2 20000121

US 2000-491404 B2 20000125

US 2000-543774 B1 20000405

US 2000-552317 B2 20000425

US 2000-215733P P 20000628

US 2000-721115 A 20001122

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WO 2001-US14827 A 20010516

US 2001-894912 A1 20010628

US 2001-322511P P 20010913

US 2001-339453P P 20011211

L2 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2001:565218 CAPLUS

DOCUMENT NUMBER: 135:163405

TITLE: Nucleic acids and their encoded polypeptides from human fetus

INVENTOR(S): Yeung, George; Ford, John E.; Boyle, Bryan J.; Arterburn, Matthew C.; Drmanac, Radoje A.; Tang, Y. Tom; Liu, Chenghua; Asundi, Vinod; Zhou, Ping; Werhman, Tom

PATENT ASSIGNEE(S): Hyseq, Inc., USA; Tang, Y Tom; et al.

SOURCE: PCT Int. Appl., 715 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 127

PATENT INFORMATION:



PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055339	A2	20010802	WO 2001-US2723	20010125
WO 2001055339	A3	20020510		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 200133047	A	20010807	AU 2001-33047	20010125
PRIORITY APPLN. INFO.:			US 2000-491404	A 20000125
			US 2000-663870	A 20000915
			US 2000-707351	A 20001106
			WO 2001-US2723	W 20010125
L2 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN				
ACCESSION NUMBER: 2001:228924 CAPLUS				
DOCUMENT NUMBER: 134:265140				
TITLE: Mutated anthrax toxin protective antigen proteins that specifically target cells containing high amounts of cell-surface metalloproteinases or plasminogen activator receptors				
INVENTOR(S): Leppia, Stephen H.; Liu, Shi-Hui; Netzel-Arnett, Sarah; Hansen-Birkedal, Henning; Bugge, Thomas				
PATENT ASSIGNEE(S): Government of the United States of America, as Represented by the Secretary, Department of Health and Human Services, USA				
SOURCE: PCT Int. Appl., 77 pp.				
CODEN: PIXXD2				
DOCUMENT TYPE: Patent				
LANGUAGE: English				
FAMILY ACC. NUM. COUNT: 1				
PATENT INFORMATION:				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001021656	A2	20010329	WO 2000-US26192	20000922
WO 2001021656	A3	20020117		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2385122	A1	20010329	CA 2000-2385122	20000922
AU 2001025725	A	20010424	AU 2001-25725	20000922
AU 771632	B2	20040401		
EP 1214340	A2	20020619	EP 2000-989184	20000922
EP 1214340	B1	20041124		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
AT 283280	T	20041215	AT 2000-989184	20000922
PT 1214340	T	20050429	PT 2000-989184	20000922
ES 2233495	T3	20050616	ES 2000-989184	20000922
PRIORITY APPLN. INFO.:			US 1999-155961P	P 19990924

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L2 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:

2005:1178956 CAPLUS

DOCUMENT NUMBER:

143:417035

TITLE:

Insights into genome plasticity and pathogenicity of the plant pathogenic bacterium *Xanthomonas campestris* pv. *vesicatoria* revealed by the complete genome sequence

AUTHOR(S):

Thieme, Frank; Koebnik, Ralf; Bekel, Thomas; Berger, Carolin; Boch, Jens; Buettner, Daniela; Caldana, Camila; Gaigalat, Lars; Goesmann, Alexander; Kay, Sabine; Kirchner, Oliver; Lanz, Christa; Linke, Burkhard; McHardy, Alice C.; Meyer, Folker; Mittenhuber, Gerhard; Nies, Dietrich H.; Niesbach-Kloesgen, Ulla; Patschkowski, Thomas; Rueckert, Christian; Rupp, Oliver; Schneiker, Susanne; Schuster, Stephan C.; Vorhoefer, Frank-Joerg; Weber, Ernst; Puehler, Alfred; Bonas, Ulla; Bartels, Daniela; Kaiser, Olaf

CORPORATE SOURCE:

Institut fuer Genetik, Martin-Luther-Universitaet, Halle, D-06120, Germany

SOURCE:

Journal of Bacteriology (2005), 187(21), 7254-7266  
CODEN: JOBAAY; ISSN: 0021-9193

PUBLISHER:

American Society for Microbiology

DOCUMENT TYPE:

Journal

LANGUAGE:

English

AB The gram-neg. plant-pathogenic bacterium *Xanthomonas campestris* pv. *vesicatoria* is the causative agent of bacterial spot disease in pepper and tomato plants, which leads to economically important yield losses. This pathosystem has become a well-established model for studying bacterial infection strategies. The whole-genome sequence of the pepper-pathogenic *Xanthomonas campestris* pv. *vesicatoria* strain 85-10, which comprises a 5.17-Mb circular chromosome and four plasmids, is presented. The genome has a high G + C content (64.75%) and signatures of extensive genome plasticity. Whole-genome comparisons revealed a gene order similar to both *Xanthomonas axonopodis* pv. *citri* and *Xanthomonas campestris* pv. *campestris* and a structure completely different from *Xanthomonas oryzae* pv. *oryzae*. A total of 548 coding sequences (12.2%) are unique to *X. campestris* pv. *vesicatoria*. In addition to a type III secretion system, which is essential for pathogenicity, the genome of strain 85-10 encodes all other types of protein secretion systems described so far in gram-neg. bacteria. Remarkably, one of the putative type IV secretion systems encoded on the largest plasmid is similar to the Icm/Dot systems of the human pathogens *Legionella pneumophila* and *Coxiella burnetii*. Comparisons with other completely sequenced plant pathogens predicted six novel type III effector proteins and several other virulence factors, including adhesins, cell wall-degrading enzymes, and extracellular polysaccharides. The genome sequences are deposited in GenBank/EMBL/DBJ under accession nos. AM039952 (chromosome), AM039948 (plasmid pXCV2), AM039949 (pXCV19), AM039950 (pXCV38), and AM039951 (pXCV183).

REFERENCE COUNT:

112 THERE ARE 112 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT	868336-86-1	868336-87-2	868336-88-3	868336-89-4	868336-90-7
	868336-91-8	868336-92-9	868336-93-0	868336-94-1	868336-95-2
	868336-96-3	868336-97-4	868336-98-5	868336-99-6	868337-00-2
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868337-81-9	868337-82-0	868337-83-1	868337-84-2	868337-85-3
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868338-06-1	868338-07-2	868338-08-3	868338-09-4	868338-10-7
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868338-40-3	868338-41-4	868338-42-5	868338-43-6	868338-44-7
868338-45-8	868338-46-9	868338-47-0	868338-48-1	868338-49-2
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868338-55-0	868338-56-1	868338-57-2	868338-58-3	868338-59-4
868338-60-7	868338-61-8	868338-62-9	868338-63-0	868338-64-1
868338-65-2	868338-66-3	868338-67-4	868338-68-5	868338-69-6
868338-70-9	868338-71-0	868338-72-1	868338-73-2	868338-74-3
868338-75-4	868338-76-5	868338-77-6	868338-78-7	868338-79-8
868338-80-1	868338-81-2	868338-82-3	868338-83-4	868338-84-5
868338-85-6	868338-86-7	868338-87-8	868338-88-9	868338-89-0
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868339-20-2	868339-21-3	868339-22-4		

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)

(amino acid sequence; insights into genome plasticity and pathogenicity of the plant pathogenic bacterium *Xanthomonas campestris* pv. vesicatoria revealed by the complete genome sequence)

=> d ibib abs kwic 3

L2 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2007 ACS ON STN

ACCESSION NUMBER: 2005:1042277 CAPLUS

DOCUMENT NUMBER: 143:353281

TITLE: Variants of heterooligomeric microbial toxins with novel cell targeting and proteolytic activation behavior for therapeutic use

INVENTOR(S): Leppla, Stephen H.; Liu, Shi-Hui; Bugge, Thomas H.

PATENT ASSIGNEE(S): The Government of the United States, as Represented by the Secretary of Health and Human Services, USA

SOURCE: PCT Int. Appl., 83 pp.

DOCUMENT TYPE: CODEN: PIXXD2  
 LANGUAGE: Patent  
 FAMILY ACC. NUM. COUNT: 1 English  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090393	A2	20050929	WO 2005-US4216	20050209
WO 2005090393	A3	20060608		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2005255083	A1	20051117	US 2005-55557	20050209
PRIORITY APPLN. INFO.:			US 2004-543417P	P 20040209
AB	Methods of modifying heterooligomeric bacterial toxins for therapeutic use are described. The methods involve two modifications of which one is substituting the targeting domain of the target binding subunit to give it a novel cell- or tissue-specificity. The second modification involves changing the proteinase cleavage site of one of the subunits to make it activatable by a novel proteinase, such as one found in the target tissue. In the case of anthrax toxin, where the protective antigen forms a heptamer, more than one variant with a different activation cleavage site can be used. This would limit the formation of the active heptamer to tissues where all the necessary proteinases are present. The development of variants of protective antigen requiring proteolytic activation by a matrix metalloproteinase, urokinase, or furin is demonstrated. Use of these variants in combination to create a heptamer capable of binding lethal factor and killing host cells is demonstrated.			
IT	331809-95-1D, toxin subunits containing 331809-96-2D, toxin subunits containing 865709-50-8D, toxin subunits containing 865709-51-9D, toxin subunits containing			
	RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)			
	(amino acid sequence, proteinase cleavage site; variants of heterooligomeric microbial toxins with novel cell targeting and proteolytic activation behavior for therapeutic use)			
IT	865733-10-4 865733-12-6 865733-14-8 865733-16-0 865733-18-2 865733-20-6			
	RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)			
	(amino acid sequence; variants of heterooligomeric microbial toxins with novel cell targeting and proteolytic activation behavior for therapeutic use)			
IT	865735-56-4 865735-58-6 865735-60-0 865735-61-1			
	RL: PRP (Properties)			
	(unclaimed protein sequence; variants of heterooligomeric microbial toxins with novel cell targeting and proteolytic activation behavior for therapeutic use)			

=> d ibib abs kwic 4

ACCESSION NUMBER: 2005:421785 CAPLUS  
 DOCUMENT NUMBER: 142:469183  
 TITLE: Heparin-binding growth factor modified protein matrices containing XIIIa substrate domain for tissue repair, regeneration, remodeling and/or drug delivery  
 INVENTOR(S): Hubbell, Jeffrey A.; Schense, Jason C.; Sakiyama-Elbert, Shelly E.  
 PATENT ASSIGNEE(S): Eidgenossische Technische Hochschule Zurich, Switz.; Universitat Zurich  
 SOURCE: U.S., 29 pp., Cont.-in-part of U.S. Ser. No. 141,153, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 7  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6894022	B1	20050517	US 2000-563760	20000501
US 6468731	B1	20021022	US 2000-675922	20000929
US 2003187232	A1	20031002	US 2002-323046	20021217
PRIORITY APPLN. INFO.:			US 1998-141153	B2 19980827
			US 2000-563760	A2 20000501

AB Proteins are incorporated into protein or polysaccharide matrixes for use in tissue repair, regeneration and/or remodeling, and/or drug delivery. The proteins can be incorporated so that they are released by degradation of the matrix, enzymic action, and/or diffusion. As demonstrated by the examples, one method is to bind heparin to the matrix by either covalent or non-covalent methods, to form a heparin-matrix. The heparin then non-covalently binds heparin-binding growth factors to the protein matrix. Alternatively, a fusion protein can be constructed which contains a crosslinking region such as a factor XIIIa substrate and the native protein sequence. Degradable linkages may be included between the crosslinking region and the bioactive factor. Incorporation of degradable linkages between the matrix and the bioactive factors can be particularly useful when long-term drug delivery is desired, for example in the case of nerve regeneration, where it is desirable to vary the rate of drug release spatially as a function of regeneration, e.g. rapidly near the living tissue interface and more slowly farther into the injury zone. Addnl. benefits include the lower total drug dose within the delivery system, and spatial regulation of release which permits a greater percentage of the drug to be released at the time of greatest cellular activity.

REFERENCE COUNT: 76 THERE ARE 76 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 3/520-01-7DP, fusion products 109081-50-7DP, fusion products  
 607679-51-6DP, fusion products 607679-52-7DP, fusion products  
 607679-53-8DP, fusion products 607679-54-9DP, fusion products  
 607679-55-0DP, fusion products 607679-56-1DP, fusion products  
 RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
 PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (amino acid sequence, protease substrate; heparin-binding growth factor modified protein matrixes containing XIIIa substrate domain for tissue repair, regeneration, remodeling and/or drug delivery)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.20	57.21

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

FILE 'REGISTRY' ENTERED AT 13:24:28 ON 20 SEP 2007  
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STRUCTURE FILE UPDATES: 19 SEP 2007 HIGHEST RN 947584-60-3  
 DICTIONARY FILE UPDATES: 19 SEP 2007 HIGHEST RN 947584-60-3

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 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=> S 607679-56-1/RN

L3 1 607679-56-1/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND  
 SET COMMAND COMPLETED

=> D L3 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y  
 THE ESTIMATED COST FOR THIS REQUEST IS 6.55 U.S. DOLLARS  
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 607679-56-1 REGISTRY  
 CN Glycine, L-prolylglycyl-L-serylglycyl-L-arginyl-L-seryl-L-alanyl-L-seryl-  
 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 17: PN: US20060148704 SEQID: 17 claimed protein  
 CN 9: PN: US20030187232 SEQID: 9 unclaimed sequence  
 CN 9: PN: US6894022 SEQID: 9 claimed sequence  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 9

PATENT ANNOTATIONS (PNTE):

Sequence |Patent  
 Source |Reference

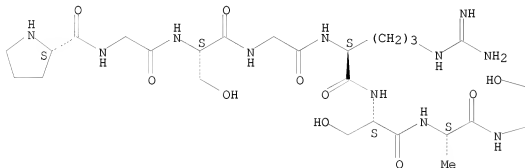
Not Given|US2003187232  
 |unclaimed

ISEQID 9

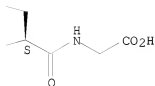
SEQ 1 PGSGRSASG  
MF C29 H50 N12 O13  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
DT.CA Caplus document type: Patent  
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)  
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=>

=> d his

(FILE 'HOME' ENTERED AT 13:20:22 ON 20 SEP 2007)

L1 FILE 'REGISTRY' ENTERED AT 13:20:57 ON 20 SEP 2007  
13 S PGSGRSA/SQSP

L2 FILE 'CAPLUS' ENTERED AT 13:21:18 ON 20 SEP 2007  
13 S L1

L3 FILE 'REGISTRY' ENTERED AT 13:24:28 ON 20 SEP 2007  
1 S 607679-56-1/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

=> s l3 adn l2  
MISSING OPERATOR

=> s l3 and l2  
L4 1 L3 AND L2

=> d sql seq

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
SQL 9

SEQ 1 PGSGRSASG  
=====

HITS AT: 1-7

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	13.47	70.68
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-2.34
STN INTERNATIONAL LOGOFF AT 13:26:10 ON 20 SEP 2007		